



ABOVE ARE SEVERAL YOUNGSTERS, WHOSE PARENTS ARE CARBIDE EMPLOYEES IN the Y-12 Plant area, looking over an exhibit being prepared for the Oak Ridge Science Fair. Seated is Pat Sheridan, working on her exhibit of pyrotechnical chemicals, and looking on from left are Patty Matlock, Dean (Tommie) Bentley, Joette Arnold, Juanita Pemberton, Ann Hudson, Shirley Garrison, Barbara Beckham, John Raleigh, Bobby Kennedy and Ray Caldwell. Standing behind the group is O. M. Garrett, chemistry instructor at the Oak Ridge High School.

## America May Be 'Out Of Tent' In Security Unless Atomic Energy Secrets Are Shielded

Remember Aesop's fable of the camel and his master—how the kind master allowed the shivering animal to first place his head inside the tent, then his shoulders and then his forelegs?

Then the camel said: "Master, I think I ought to come wholly inside," and crowded in. Then the beast said: "There is hardly room for us both, so I think it would be better for you to stand outside so I can turn around and lie down," and without further ado the camel kicked the master out and took over the entire tent.

Although this story is 2,500 years old, it aptly illustrates what may happen to the United States if the atomic energy secrets held here in Y-12 and other plants and laboratories operated for the Atomic Energy Commission fall into unauthorized hands.

Each small bit of information that an individual Y-12er may hold can be a target of an espionage agent. If, through carelessness or ignorance, any classified information is permitted to fall into the hands of subversive agents the nation might lose all the advantages and superiority it now holds in the field of atomic energy.

In other words—the country may find itself standing "outside the tent."

### Danger Is Realized

National defense and security leaders throughout the country realize the danger to the nation's atomic and other arms secrets through the activities of forces seeking to undermine the safety of the United States. Despite the arrest and conviction of Dr. Karl Fuchs, the Rosenbergs, Harry Gold, David Greenglass and others on charges of stealing atomic secrets—these same national leaders also realize that the efforts of foreign agents to ferret out vital information on American arms developments has not abated. New methods are being used, new faces have replaced those now "out of circulation" and constant new steps to combat the insidious infiltration of espionage and propaganda have to be taken to combat these innovations.

Federal Bureau of Investigation Chief J. Edgar Hoover recently informed Congress that "subversive activities have materially increased" in the past few years and that internal security cases in the FBI files, including espionage and sabotage, have been boosted by

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### SPAGHETTI, CHICKEN LIVERS TOPS SPECIAL LUNCH AT CAFETERIA

Spaghetti and chicken livers will be the appetizing entree to be served as the entree on the Thursday special lunch at the Y-12 cafeteria, tomorrow, April 23. The lunch also will include one vegetable, choice of salad or dessert and rolls and butter—all for only 50 cents.

## Seminar Meetings Set For Friday, Tuesday

The regular meeting of the Oak Ridge Physics Seminar will be held at 3:15 o'clock Friday afternoon, April 24, in the auditorium of the Oak Ridge National Laboratory Research Building, No. 4500. Another special seminar session will be held at 9 o'clock next Tuesday morning, April 28, and the meeting scheduled for Friday, May 1, will be cancelled because of a national meeting of the American Physical Society in Washington, D. C., on that date.

Prof. R. K. Adair, of the University of Wisconsin, will lead the discussion at the meeting this week. His topic will be "Low Energy n-p Scattering and Charge Independence of Nuclear Forces."

At the meeting next Tuesday, also at the ORNL Bldg. 4500 auditorium, John E. Brolley, of the Los Alamos (N. M.) Scientific Laboratory of the Atomic Energy Commission, will speak. The subject will be "Angular Distribution of Fragments From Neutron Induced Fission."

Y-12 personnel interested in the subjects are invited to attend both seminar sessions.

### U. S. STILL FAR AHEAD

The New York Journal American cites Rep. W. Sterling Cole, new chairman of the Congressional Joint Committee on Atomic Energy, as saying the United States is far ahead of Russia and the rest of the world in atomic weapon stockpiling and that the country can turn its attention to production of atomic power for industry. Representative Cole added that the U. S. cannot yet safely share its vital secrets with Britain.

## High School Students Of Y-12ers Show Great Interest In Preparing Exhibits For Science Fair Friday

Oak Ridge Winners To Compete In Regional Event In Knoxville May 1-2; Superintendent Logan B. Emlet Judge In National Event Here

Interest is running high among science students at the Oak Ridge High School whose fathers are Carbide employees in Y-12 as the pupils prepare exhibits for the Oak Ridge Science Fair. The judging of the exhibits will take place at the Oak Ridge High School this Friday, April 24.

There will be approximately 60 high school pupils competing in the fair and the local event is being coordinated by O. M. Garrett, chemistry instructor at the Oak Ridge High School. The winners will compete in the Southern Appalachian Science Fair at the University of Tennessee in Knoxville May 1 and 2 and the top exhibits from the Knoxville fair will offer keen competition in the National Science Fair to be held in Oak Ridge May 7, 8 and 9.

The National Science Fair at Oak Ridge is being co-sponsored by Union Carbide and Carbon Corporation and the Oak Ridge Institute of Nuclear Studies and is administered by Science Services. This will be the fourth annual fair. It was held last year in Washington, D. C.

Y-12 Plant Superintendent Logan B. Emlet will be one of the 15 judges for the National Science Fair.

### Youngsters Of Y-12ers Entered

The Oak Ridge High School students with parents employed by Carbide in the Y-12 Plant area and their projects follows:

Dean (Tommy) Bentley, senior, daughter of E. L. Bentley, dialysis of colliodies. Joette Arnold, senior, daughter of T. S. Arnold, nylon. Ann Hudson, senior, daughter of W. C. Hudson, foods. Barbara Beckham, senior, daughter of B. W. Beckham, chemicals from coal. Shirley Garrison, senior, daughter of M. L. Garrison, plastics. Pat Sheridan, junior, daughter of E. W. Sheridan, pyrotechnics. Juanita Pemberton, freshman, daughter of E. L. Pemberton, trees. Patty Matlock, senior, daughter of O. D. Matlock, cosmetics. John Raleigh, junior, son of John W. Raleigh, models of atoms. Bobby Kennedy, junior, son of Ernest E. Kennedy, plastics. Ray Caldwell, junior, son of H. W. Caldwell, transmutation.

### Other Judges Listed

The other judges for the National Science Fair include Dr. Gould A. Andrews, chief of clinical services of the Medical Division of ORINS; Dr. Cyril L. Comar, research director, University of Tennessee Atomic Energy Commission Agricultural Research Program; Dr. Russell S. Poor, chairman of the University Relations Division, ORINS; Dr. Elizabeth Rona, Special Training Division, ORINS; Dr. Herman M. Roth, assistant director, Research and Medicine Division, AEC; Dr. C. S. Shoup, chief of the Biology Division of the Office of Research and Medicine, Oak Ridge Operations Office, AEC; Dr. C. E. Larson, director of the Oak Ridge National Laboratory; Dr. A. M.

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## Credit Union Extends Automobile Loan Time

The board of directors of the Y-12 Employees Credit Union at its last meeting voted to extend repayment time for loans made on certain types of automobiles. The new regulations will allow loans on all vehicles not older than 1946 models to be repaid over a period of 24 months. Older models can be financed over a period of 18 months, the board voted.

The credit union last week was visited by A. H. Pursell, manager of the State Credit Union League. His primary purpose was to help the Y-12 organization establish an educational program by which employees throughout the plant could conveniently receive information about the credit union operations.

Pursell suggested that a group be chosen representing different areas in the plant to receive a working knowledge of credit union organization and the service it is trying to give all employees. It is believed that any information this group could give to Y-12ers would save trips to the credit union office, second floor, Bldg. 9704-2, to obtain the data and also save time for the credit union office staff.

W. K. Prater and A. H. True, of the credit union, will organize this group, which is expected to be formed in the near future.

## Scaffold Fall Snaps Y-12 Safety String At 48 Days

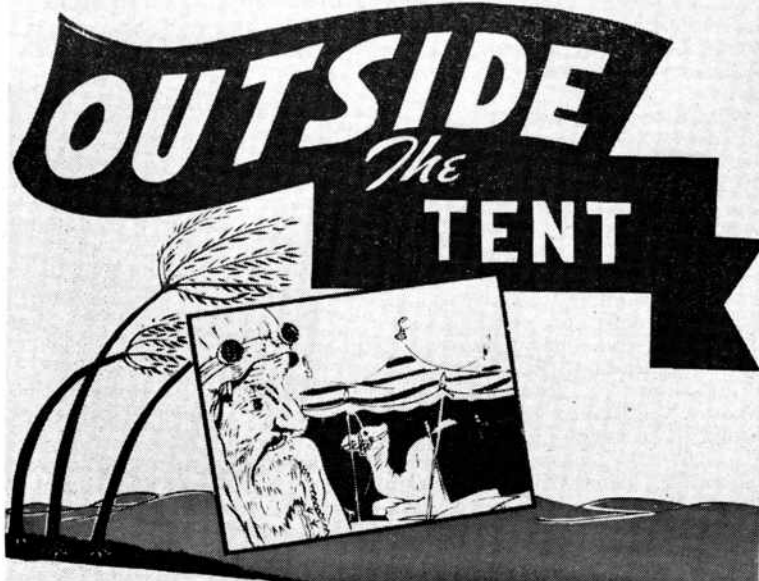
The Y-12 string of accident-free days was broken at 48 last Saturday afternoon when an employee suffered a broken ankle in a fall from a scaffold.

The official report of the Safety Department on the lost time accident said:

"Employee was dismantling five-foot section of a tubular scaffold, 25 feet in height. He had taken off the top five-foot section and apparently the leg of the scaffold slipped off a wet board which was used as a supporting base, causing the scaffold to fall to the ground. The employee rode the scaffold to the ground, receiving a fractured ankle."

### SAFETY SCOREBOARD

Your Plant Has  
Operated  
One Day  
Without A Lost Time  
Accident  
Through April 19





# The Bulletin

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Jack M. Case

## Y-12 Man Is Elected Chairman By Welders

Jack M. Case, head of the Maintenance Division in Y-12, became chairman of the Northeast Tennessee Section of the American Welding Society at a meeting of the group in Knoxville on Monday night of this week. He succeeded J. R. McGuffey, of K-25, elected chairman of the section at its organizational meeting on February 11. Case will serve as chairman of the section for 1953-1954.

About 20 Y-12ers are members of the section, which has a total membership of about 100 persons, mostly Oak Ridgers.

Frank Lambert, of Y-12, was technical chairman of the meeting this week in Knoxville. The guest speaker was J. J. Chyle, director of welding of the A. O. Smith Corp., Milwaukee, Wis. Bob Wilson, sports editor of the Knoxville News-Sentinel, also was on the program.

In addition to Case, Y-12 is represented by Chester Estes, Maintenance Shops; and J. C. Thompson, Engineering; as members of the section executive committee.

## Y-12 'Hams' Will Assist Station At Hobby Fair

Two Y-12 "hams," amateur radio operators, will be among several members of the Oak Ridge Radio Operators Club operating a station at the Oak Ridge Hobby Fair Saturday, April 25, at the Ridge Recreation Office. They are Billy Cobb, Electrical Maintenance, who is lending his transmitter for the station; and George Marrow, ADP Development, who will be among the operators of the service. The station will be on the air during the show hours, 11 a.m. to 9 p.m., and Y-12ers are invited to visit the exhibit and give messages to the operators, who will put them on the air without charge.

## DUTCH WANT REACTOR

Dutch Radio Station Hilversum has reported that The Netherlands Institute for Atomic Research and electrical companies of the nation are negotiating for designing an "atom reactor." The station noted that The Netherlands is forced to undertake this research alone because other countries are unwilling to share any of their findings.

The Herty Medal, presented annually for outstanding contributions to chemistry in the Southeast, will be awarded this year to Dr. Raymond W. McNamee. Dr. McNamee, Superintendent of the Research and Development Department, Carbide and Carbon Chemicals Company, South Charleston, W. Va., was chosen for this honor by the Georgia section of the American Chemical Society. The medal is sponsored by the Chem-



try Club of Georgia State College for Women, Milledgeville, Ga., and will be presented May 2 at the College's annual Herty Day celebration.

## 21st To Get Award

Dr. McNamee, the 21st Herty medalist, received his B.S. degree from the University of Akron in 1929 and his M.S. and Ph.D. degrees from Northwestern University. He joined the South Charleston Research Laboratories of Carbide and Carbon Chemicals Company, a division of Union Carbide and Carbon Corporation, in 1933.

A few years later, Dr. McNamee played a leading role in the study and consequent development of the process for the direct oxida-

tion of ethylene to ethylene oxide. Ethylene oxide is a starting material for the manufacture of antifreezes, lubricants, paint, inks and dyes, and hundreds of other products in daily use.

## Helped Develop Styrene

Dr. McNamee played a key part in the development of a process for the manufacture of styrene, a product that had vital importance in the wartime synthetic-rubber program and that has, since then, expanded into the fields of polystyrene plastics and water-base paints. In the case of allethrin, one of the most significant insecticides to come out of postwar chemical research, he was directly responsible for the devel-

opment of a large-scale production process based on the original synthesis by the United States Department of Agriculture.

As Superintendent of the Research and Development Department, Dr. McNamee presides over an imposing establishment first occupied in 1949. The Research Center houses most of the phases of research for Carbide and Carbon Chemicals Company, including a complete development department for both resins and chemicals. Dr. McNamee represents Carbide and Carbon Chemicals Company on one of the principal research subcommittees of Union Carbide and Carbon Corporation.

## College Sponsors Award

The award Dr. McNamee will receive is named in honor of the late Dr. C. H. Herty, twice President of the American Chemical Society and originator of the process for paper manufacture from southern pine, whose birthplace is the present site for the Georgia State College for Women. The medal is sponsored by the College's Chemistry Club, of which Miss Jane Barrett is President, to give public recognition to outstanding chemists or chemical engineers for achievement in chemical research or in the teaching of chemistry. Dr. McNamee was chosen from candidates nominated by sections of the American Chemical Society in the Southeast.



Electrical Maintenance folks are scattering toward good fishing this week. . . . H. R. Bailey is in Florida. . . . J. T. Titlow is reported probing stumps of Norris Lake for catfish. . . . H. H. Buckner is believed whipping the upper reaches of Norris Lake near Maynardville. . . . W. R. Murphy is somewhere in Kentucky, probably also fishing. . . . Four more new employees are being given a warm welcome in the department. . . . T. W. McFarland, R. H. Gilbert, H. B. Pruden and Eleanor King.

Another former Y-12er now in military service has taken typewriter in hand to write a couple of nice notes back to plant friends. . . . It's Pvt. Charles F. Laymance, ex-Product Processing, who (a) Thanked the Safety Department for his individual safety award (cigarette lighter) and (b) Thanked The Bulletin for sending him the paper—a practice for all former employees in service. In the latter note, he says, "It is nice to get the paper every week. . . . There is always some news and pictures of my old acquaintances at the plant." . . . Some of his old pals might want to write to him—the address is: Hqs. Co., Section 4, Station Complement 3431, ASU, Ft. Jackson, S. C.

Wonder what happen to that "traveling man" A/I-C Charley Kirkwood, the movingest—around soldier in the Air Force? Sound off, Charley, it's lonesome around these here parts without word from you. . . . Last address? . . . Alexandria, La.

Group I of Chemical Process enjoyed a unique and pleasant day Saturday, April 11, by having their own fishing rodeo in the morning and meeting at 3 p.m. at Concord Park to judge the largest game fish—the prize was won by W. Wompler. All guests pooled their fish and enjoyed a delicious fish fry with all the trimmings. The folks attending were sorry that George Kirkland had to buy a four and one-half pound catfish in order not to come in empty handed. . . . Mildred Sparks was on vacation last week. . . . Roy Young spent his vacation at his farm in Decatur, Tenn. . . . A speedy recovery is wished to Marion Wheeler, who is on the sick list. . . . Among the recent vacationers from the department have been J. E. French, C. E. Day and R. M. Kristich.

Mary Jo Fox, of Research Services, and her husband, Earl, have hit the road just for a week to vacation land—Daytona Beach, Fla., that is. . . . Mary Gillham is visiting in Memphis and Nashville while vacationing this week.

Edna Campbell, of the Cafeteria, is off to Detroit, Mich., for a two-week vacation with friends there. . . . Irene Bryan is attending a convention in Atlantic City, N. J., this week.

Ho hum—only 248 more days until Christmas, so shop early. That chilly breeze last week made it seem like just a few days before Santa Claus time in the vicinity of his home up at the North Pole.

Wilma Curtis, of Maintenance Shops, and her husband, Stanley, visited their folks in Kingsport on a recent week end. . . . W. D. Cunningham and his wife went over to Nashville the week end of April 11. . . . C. C. Chamberlain spent his recent vacation week at home in Knoxville. . . . T. R. Livingston spent his week off at home in Oak Ridge. . . . The department extends sympathy to C. L. Newman, whose mother died recently in Tampa, Fla. . . . Sympathy is also extended to R. L. Mize, and the family, at the death of his father-in-law, C. B. Carr, last week in Knoxville. . . . Get-well wishes are extended to the folks on the sick list who are E. H. Johnson and his wife, who are both patients in the Oak Ridge Hospital, R. V. Hawk, in the Oak Ridge Hospital recovering from an appendix operation, E. R. Easterday, a patient in St. Mary's Hospital in Knoxville, H. L. Gary, in Fort Sanders Hospital in Knoxville, and to H. M. Russell, who is ill at home. . . . A hearty welcome is extended to H. L. Allison, who returned last week after a lengthy illness.

E. B. Gilliard, of Transportation, is spending his vacation time at home in LaFollette. . . . Sympathy is expressed to J. R. Grills, whose father, an old time resident in the community which is now Oak Ridge, passed away last week at his home in Byington.

The Guard Department extends wishes for a speedy recovery to K. G. Edgemon, who is ill in the Sweetwater hospital. . . . F. A. Ruckart, with two of his sons, made a recent week-end trip down to Orlando, Fla., to return with his wife and another son, who have been there sometime visiting Mrs. R's mother. . . . Lots of fun and sun was soaked up by J. C. Booher on his recent vacation week at Daytona Beach.

The Security Department extends congratulations to Nita Reed Pitt on her recent marriage to Don Pitt, a former Y-12er.

Judy Reaves, of Wage Standards, spent a recent week end with her mother in Centerville, Tenn.

Note from a child psychiatrist's case history—A good child is one who washes up when asked and dries up when told.

Lucille Whitman, of Personnel, and her husband, Graydon, are sun seekers this week at Daytona Beach. . . . Virginia Phillips and her husband, Ray, of Uranium Processing, with their daughter, Carole, spent a recent week end with relatives in Ohio.

Health Physics extends sympathy to Sandy Sanders, and the family, at the death of his father-



Mrs. J. H. McGrew



## McGREW—SMITH

A daughter of a Y-12 employee and a soldier in the United States Army were married April 3 when Miss Sally Ann Smith, daughter of William F. Smith, Chemical, and Mrs. Smith, and Pvt. Jake Hobart McGrew exchanged vows at the Blackstone Methodist Church, Blackstone, Va. The ceremony was performed by the Rev. Jacob W. Mast, pastor of the church.

Private McGrew, stationed at Camp Pickett, Va., is the son of George McGrew, of Cincinnati, Ohio, and the late Mrs. McGrew.

At her wedding the bride wore a blue suit with black accessories. Her mother attended her and wore a beige suit with orchid accessories. Riley Buchanan, of Oak Ridge, was best man.

Both the bride and groom graduated from the Oak Ridge High School in the class of 1951.

in-law in Cuba—the Sanders were there last week for the funeral.

Irene Turner, of Manufacturing Offices, and her husband, Hugh, visited her parents in Charlottesville, Va., over a recent week end.

Receiving and Shipping welcomes F. M. Wise, a transfer from Buildings and Grounds, to the roster.

The Stores Department extends get-well wishes to the folks who are still on the ailing list, namely J. D. McGuffin, Ann McKnight and Mary Nell Smith.

R. L. Smithers, of Buildings and Grounds, and his family are journeying to Illinois to visit a son and daughter while vacationing for two weeks. . . . F. Evans is also scheduled for a two-week vacation. . . . D. C. Reed and C. L. Huddleston are vacationing this week. . . . Arthur Ogden is real proud these days—his son, Charles H. Ogden, has been promoted to second lieutenant from master sergeant. He was appointed a commissioned officer at the Medical Field Service School of the test section of Enlisted Branch, De-

## Wives Of Y-12ers Capture Prizes At Card Party

Wives of three Y-12ers were prize winners at the "April Showers" meeting of the Carbide Wives, held last Wednesday night, April 15, at the Ridge Recreation Hall. The door prize was taken by Mrs. W. S. Herron, the first bingo prize awarded to Mrs. Fred Aiken and the second honors in canasta went to Mrs. J. A. McKenney. Mrs. Ray B. Clarke and Mrs. A. P. Jago, whose husbands are K-25 employees, were first and second in bridge and the first canasta prize went to Mrs. William B. Cabbage, whose husband is with Oak Ridge National Laboratory. The hall was decorated in dogwood blooms for the occasion. Refreshments were served.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Richard V. Hawk, Earl H. Johnson and Claiborne C. Neeley, Maintenance Shops; Fred Kilpatrick, Field Maintenance, and Cary B. Hillard, Guard.

## Metals Society Will Hear General Electric Man Talk

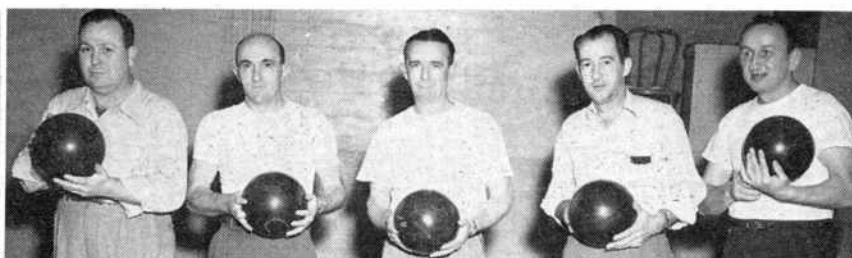
Guest speaker at the technical meeting of the Oak Ridge Chapter of the American Society for Metals set for 8 o'clock tonight, Wednesday, April 22, will be Robert L. Fullman, of the General Electrical Co. Research Laboratory. The meeting will be held in the Knights of Columbus Hall, Jefferson Circle, Oak Ridge, and all Y-12 members are urged to attend. Fullman will speak on "Grain Growth," reviewing the current status of the understanding of grain growths in metals.

partment of Training. Lieutenant Ogden is a World War II and Korean action veteran and wears the Combat Medical Badge, Presidential Unit Citation, Bronze Star and one Oak Leaf Cluster.





THE TWO TOP TEAMS IN THE B BOWLING LEAGUE nip and tuck race are the Wolves, right, and Wasps, left. From left, the Wolves are Connie Roberts, Noel Moon, Ed Sise, Frank



Gragg and Joe Pryson. The Wasps are A. Townsend, Walt Sherrod, Russell Alistun, Tom Webber and Cecil McCoige.

## Controllers Cop Season's Championship In Women's League By Beating Alley Cats

Having previously won the first half of the season title, the ram-paging Controllers wrapped up the W League championship last week as they took two points from the second place Alley Cats to clinch second half honors as well. The Kemps maintained their hold on third place as they swept a pair from the Cracker Jax. In other action around the loop, a whitewash win was turned in by the Curvettes over the Gutter Cats, and the Mix Ups came through with a two point victory over the Striketees.

The Controllers hogged team honors for the night, posting a 795 scratch single, boosted to 1007 with handicap and went on to roll a 2129 scratch series, boosted to 2792 with handicap. Mavis Koons, Kemps, rolled a 179 scratch single and Katie Williams, Alley Cats, had a 468 scratch series, boosted to 624 with handicap. Virginia Hibbits, Mix Ups, and Desma Hutcheson, Kemps, tied with a 231 handicap single game.

Final league standing follows:

Team	W	L
Controllers	33	15
Alley Cats	31	17
Kemps	29	19
Cracker Jax	25	23
Curvettes	22½	25½
Mix Ups	18½	29½
Gutter Cats	17	31
Striketees	16	32

## 66s Forge To Lead In E Bowling Loop

The 66s broke the tie for first place in the E League last week as they took over the top rung by whitewashing the Pin Wobblers while the lowly Hobslurps pounced on the Cut Ups for three points. Another whitewash victory was turned in by the Ezy Aces over the Peglers and the Stinkers nipped the No Pins by a three-point margin.

The 66s just wouldn't be stopped as they recorded a 891 scratch single, boosted to 1020 with handicap and went on to roll a 2602 scratch series, increased to 2989 with handicap. Schierbaum, Ezy Aces, rolled a 214 scratch single and Boyd, No Pins, posted a 247 handicap game. Cobble, 66s, had the high series score for the night, a 575 scratch and 626 with handicap.

League standing follows:

Team	W	L
66s	43	17
Cut Ups	40	20
Ezy Aces	37	23
Peglers	33	27
Stinkers	28	32
Hobslurps	22	38
Pin Wobblers	19	41
No Pins	18	42

## Y-12ers Will Enter Rifle Tournament

Several of the crack riflemen on the Y-12 team of the past season are expected to enter the sixth annual small bore rifle tournament to be held Saturday and Sunday, May 9 and 10, at the Oak Ridge Sportsmen's Association range. The event is a National Rifle Association registered tournament and probably will have more than 60 entrants from the ranks of the best marksmen from Tennessee and nearby states.

Among the entrants from Y-12 expected in the tournament are Bill Rathkamp, Harry Hoy, J. M. Rose, John Gallimore, W. B. Cunningham and others. Hoy is president of the Oak Ridge Rifle and Pistol Club.

## Y-12 Keglerettes On Top; Men Win

The Y-12 keglerettes climbed back to first place in the Oak Ridge City League last week as they took a four-point forfeit victory over K-25. The Y-12 lassies are now out in front by one and a half points with three more nights to go. The Y-12 men whitewashed the American Legion pinsters and are now marking time as they have the city championship wrapped up.

The Y-12 women were led to victory by Juanita Pitt as she posted scores of 176, 217, 143—536; followed by Ruby O'Kain, 166 160, 151—477; Betty Whitehorn 159, 126, 150—435; Mavis Koons, 144, 134, 138—416, and Katie Williams, 115, 137, 110—362. Team scores for Y-12 were 760, 774, 692—2226.

The Y-12 men were led by Frank Gragg with scores of 185, 235, 158—578; followed by Jack Spears 132, 214, 188—534; Roy Roberts, 167, 211, 156—534; Len Hart, 184, 167, 178—529, and Ray Galford, 211, 137, 173—521. Team scores for Y-12 were 879, 964, 863—2696 and 835, 742, 687—2264 for the American Legion.

## Women Bowlers Set Banquet Thursday

The Y-12 varsity keglerettes and other teams in the women's division of the Oak Ridge City League will suspend alley activities tomorrow night, Thursday, April 23, to hold their annual banquet and business meeting. The affair will be held at 6:30 p.m. at the Jefferson Recreation Hall.

Officers for the coming year will be elected at the meeting to night and awards presented to winners in the recent city women's tournament. Y-12ers to receive awards include Betty Whitehorn, second in singles; Juanita Pitt, second in all events and 15th in singles; Juanita Pitt and Ruby O'Kain, sixth in doubles; the Y-12 varsity team, second; Controllers, sixth in team standing. All of these results were in handicap scoring and the Y-12 varsity team took scratch honors in the tournament.

## Summer Bowling Meet Set April 24

Any Y-12 keglers for summer bowling—either in plant or city competition?

Considerable interest has been shown throughout the plant in formation of leagues for both men or women bowlers. If this interest is sufficient, the Y-12 Recreation Office, North Portal, telephone 7753, will assist in organizing circuits either for men or women, or a mixed league for both sexes.

At least six teams will be required before any kind of league is formed so all bowlers in the

## Y-12 SPORTS



CARL BOWMAN, OF RESEARCH Services, with a pair of pals, M. L. Garmon and Kenneth Prater, recently dipped their fishing lines in the Clinch River near White Wing Bridge and Bowman brought back this fine string of 30 striped bass. "It was the first time I ever caught my limit," the jubilant Bowman said. The largest fish weighed about two and one-quarter pounds.

## Angstroms Regain Lead In C League

The Angstroms again took over first place in the C League last week as they won three points from the Guards while the Rusty Five moved into a tie for second place by trouncing the Hornets by a three-point margin. The improving Hooks moved out of the cellar with a whitewash victory over the Uranium Control Junior Varsity and the Moles claimed a three-point win over the Eutectics.

The Hooks rolled a 2438 scratch series, boosted to 2957 with handicap, both marks being high for this half. They also had the top scratch single game score of the night, 853. The Angstroms got into the act with a 1025 handicap game. Arms, Hooks, really had a good night, posting a 234 scratch single, boosted to 267 with handicap and went on to roll a 557 scratch series, boosted to 656 with handicap.

League standing follows:

Team	W	L
Angstroms	37	23
Hornets	36	24
Rusty Five	36	24
UCJV	30	30
Guards	29	31
Hooks	25	35
Moles	24	36
Eutectics	23	37

plant who are interested in continuing the sport through the summer are urged to attend a meeting at the Y-12 Recreation Office at 3 o'clock Friday afternoon of this week, April 24.

## Hot Matches Mark Golf Loop Opening

The Y-12 Plant Golf League opened last week in fine style as some of the teams toured the course in red hot fashion. Two point victories were turned in by the Fat Boys over the Eagles, the Hooks clipped the Grand Slammers, the Chippers nipped the Plugs and the Rippers trounced the Rough Riders.

The schedule for the week of April 27 finds the Chippers vs Eagles, Fat Boys vs Grand Slammers, Hooks vs Rough Riders and Rippers vs Sluggers. The Plugs are scheduled for a rest period that week.

League standing follows:

Team	W	L
Chippers	2	0
Hooks	2	0
Fat Boys	2	0
Rippers	2	0
Eagles	0	2
Grand Slammers	0	2
Plugs	0	2
Rough Riders	0	2

## Wolves Stay In Top Spot In B Pin Loop

The Wolves maintained their slender lead in the B League last week by winning three points from the Bumpers while the Wasps stayed close to the league leaders as they also won three games from the Has Beens. A whitewash victory was turned in by the improving Bums over Bldg. 9211 and the All Stars came through with a three-point win over the Rebels. In other action around the loop, the Rippers and Swingsters won over the Cubs and Tigers by three points, respectively.

The Wolves rolled a 890 scratch single and a 2505 scratch series. The Tigers clawed their way to a 1034 handicap single and the All Stars posted a 2933 handicap series. Moon, Wolves, had the top handicap scores of the night, a 244 single game and 663 series. McCoige, Wasps, rolled a 210 scratch single and Ratjen, Cubs, came through with a 569 scratch series.

League standing follows:

Team	W	L
Wolves	23	9
Wasps	21	11
Rebels	20	12
Cubs	19	13
Bumpers	18	14
Bums	17	15
All Stars	15	17
Tigers	15	17
Has Beens	14	18
Rippers	11	21
Bldg. 9211	10	22
Swingsters	9	23

## Peons Tip Toppers To Hold D Loop Top

The Peons maintained their torrid pace in the D League last week as they handed the Toppers a three-point setback while the Grocers kept right on the heels of the league leaders as they also posted a three-point win over the Activators. Other league action saw the Old Men whitewash the Split Kids and the Vectors trounced the Isotopes by a three-point margin.

Webber, Toppers, rolled a 212 scratch game, boosted to a 241 with handicap. Pletz, Peons, racked up a 539 scratch series and Brown, of the Peons, had a 628 handicap series. The Grocers posted a 840 scratch single, boosted to 1011

## Varsity And Plant Softies Eye Openers Of Season On May 4

Practice Sessions Are Announced; Y-12 Loop Will Have Eight Teams

"Dogwood winter" failed to put a crimp in ambitious and enthusiastic softballers throughout Y-12 last week as varsity and plant league squads eyed the opening of the season on May 4 and entered the final stages of training. Likewise the Class B Recreation League and the City Slow Pitch League entries were laying plans for the summer campaign.

Manager Frank "Red" Darby's varsity softballers, the Cardinals, will practice from 7:30 p.m. to 9 p.m. tomorrow, Thursday, April 23; from 6 p.m. to 7:30 p.m. next Tuesday, April 28; and from 7:30 p.m. to 9 p.m., Friday, May 1. All of these sessions will be held at the Midtown No. 1 Park.

The feminine contingent, the Robins, will work out from 6 p.m. to 7 p.m. tonight, Wednesday, April 22; from 7:30 p.m. to 9 p.m., Monday, April 27; 6 p.m. to 7:30 p.m., Tuesday, April 28; and 9 p.m. to 10:30 p.m., Thursday, April 30. The Robins will perform at Midtown No. 2 Park.

Through consolidations and elimination, the Y-12 Plant Softball League has finally jelled into an eight-club circuit. The teams and their managers are:

49ers, Ralph Ford.  
Peons, J. D. Hall.  
Uranium Control Junior Varsity, Fred Uffelman.  
Colts, B. D. Coulter and R. C. Whitehead.

Engineers, Hobey Thomas.  
ADT, Ralph Jeffries.  
Maintenance, Morris Bailis.  
Guards, Capt. M. L. Woodard.

Final plans for operation of the plant circuit, adoption of a schedule and a constitution and by-laws will be fixed at a meeting of managers or club representatives to be held at 3 o'clock next Monday afternoon, April 27, at the Recreation Office, North Portal. It is important that all teams be represented at this session.

Meanwhile, reservations for plant league squads practice sessions are being made at the Recreation Office, telephone 7753. Several of the squads have been playing practice games and the outlook for a successful league season is bright, as many newcomers have reported to try out for teams and mix with some of the old timers.

The Y-12 Orioles, managed by Elmore Koons, will hold practice sessions tonight, Wednesday, April 22, from 6 p.m. to 7 p.m.; and the following Wednesday, April 29, from 9 p.m. to 10 p.m. Manager Avery Kendig has called his Recreation League Woodpeckers for a drill on Thursday, April 30, exact time to be given later. He will announce further drills later. Both these teams will drill at Midtown No. 1. The Orioles are the plant slow pitch athletes.

The Slow Pitch League will open play on Wednesday, May 13, and the Recreation League the following night, Thursday, May 14. These loops will perform at Midtown No. 1 during the season.

with handicap and went on to a 2361 scratch series. The Old Men got into the act with a 2887 handicap series.

League standing follows:

Team	W	L
Peons	44	16
Grocers	41	19
Activators	35	25
Old Men	28	32
Split Kids	24	36
Toppers	24	36
Vectors	24	36
Isotopes	20	40



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## Engineering Field Offers Bright Future

Why are more and more parents working for Y-12 and other Carbide units in Oak Ridge guiding their youngsters toward successful careers in the engineering profession? There are good reasons.

This June some 23,000 young men and women step out of engineering and scientific colleges throughout the United States into positions that pay higher than average starting salaries.

### Engineers Get Head Start

Largely because of sound parental advice and educational guidance these young, alert engineering graduates will have a head start on other young people of equally good intelligence in a profession that has become one of the most important and critical in America today.

Most of them will be employed immediately after graduation. Many have already been sought out by industry, business and government to fill the nation's fast-growing technical demands. In industry and civilian-government activities alone the current need for engineers is estimated at 35,000. The nation's growing dependence on technology and the dawn of the atomic age point to a need for engineers for years to come.

### Civilization "Maintenance Men"

Engineers are serving mankind in every field. The food, clothing, shelter, transportation, communications, heat and light made and used in this country are only some of the things engineers help to produce. The graduates who go out into industry, business and government in June will be working for progress, for peace and for the defense of the American way of life. They will be the "maintenance men of civilization."

Engineering is open only to those who start preparing for it long before entering college. Certain high school subjects are required to qualify for engineering training. These subjects—including mathematics and the sciences—are not only essential to the prospective engineer but, moreover, they are useful in all professions.

## Ridge Speed Restrictions Relaxed—BUT Y-12ers Asked To Resist 'Step On It' Urge

Speed limits have been increased in certain parts of Oak Ridge—but in the interest of their own safety and that of others, Y-12ers are urged not to yield to any itching impulse to "step on it" and unnecessarily boost their speed.

### Speed Major Accident Cause

Statistics prepared by the National Safety Council and other safety groups have shown that a great proportion of traffic accidents, many of them fatalities, have been caused by speeding. Cold figures also show that more Americans have been killed in traffic accidents than in all of the wars in which American soldiers have been engaged.

Y-12's own safety records show that in the first quarter of 1953 employees here have been injured in five traffic mishaps—one being a fatality. Those luckily escaping serious injuries nevertheless lost a total of 24 days of work as a result of the accidents. During 1952 traffic accidents involving Y-12ers amounted to 35 out of the total of 96 off-job mishaps and cost a total of 710 days lost time from work out of a total of 1,347 days lost because of other off-job accidents—more than half of the lost time.

### Keep Everything Under Control

Those figures alone should cause a lot of second thoughts on the part of Y-12ers toward observing safety rules on the highways. Of course, some of those accidents were not the fault of Y-12 employees—but the old principle of having vehicles under control at all times and being able to dodge the dangerous maneuvers of a careless driver is one of the best ways to avoid trouble.

Just in case Y-12ers have not noticed the proclaimed changes in speed limits on Oak Ridge streets—here they are:

### Changes Are Listed

From 25 miles an hour to 35 miles an hour—

On the Oak Ridge Turnpike between Georgia Ave. and Jefferson Ave.; on Raccoon Road; on South Illinois Ave. between the Oak Ridge Turnpike and Lafayette Drive; on Tulane Ave. between South Illinois Ave. and the Oak Ridge Turnpike; and on Rutgers Ave. between the Oak Ridge Turnpike and South Illinois; on Tuskegee Drive between Benedict and South Illinois Ave.

From 25 to 30 on North Illinois Ave. between Oak Ridge Turnpike and the city limits; and

From 35 to 40 on Lafayette Drive between the Oak Ridge Turnpike and South Illinois Ave.

## First Call Sounded For Tennis Players

The first call of the season has been sounded by the Y-12 Recreation Office for tennis players—both men and women—as candidates for teams to represent the plant in Oak Ridge city leagues. The City Recreation Department is tentatively planning for a league of six teams, one representing each of the Carbide plants in the city and the other three from the city at large.

The Y-12 men's tennis team last year won the city championship but as many of the key players have been lost to the team this year, more netters are needed. All men employees desiring to try out for the squad are asked to communicate with Frank Ballinger, Bldg. 9711-1, telephone 7216, or the Recreation Office, North Portal, telephone 7753.

Women players also are urged to get in touch with the Recreation Office so that steps can be taken to form a team if sufficient interest is shown.

SMITTY GOT WORD  
TODAY THAT HIS FOLKS  
WERE KILLED IN AN  
AUTO ACCIDENT—  
—THAT'S WHAT I CALL  
A TOUGH BREAK!



## High School Students Preparing Exhibits

Continued from Page 1

Weinberg, research director of ORNL; Dr. R. A. Chaprie, Research Director's Division ORNL; Dr. Alexander Hollaender, director of the Biology Division ORNL; Dr. A. H. Snell, director of the Physics Division ORNL; Dr. John A. Swartout, deputy research director and director of the HRE project; Morse Salisbury, director of information services for the AEC and Dr. Carl Seyfert, professor of physics and astronomy, Vanderbilt University, and director of the Arthur J. Dyer Observatory in Nashville.

### Boys, Girls Judged Separately

All exhibits at the fair will be judged in two divisions. One competition will be for the boys and another for girls. Boys and girls each will be judged in two classes, biological sciences and physical sciences.

Each finalist will receive a National Science Fair solid gold and silver medal and will have a chance to participate in more than \$1,000 in awards.

### Banquet Set For May 8

A highlight of the National Science Fair will be a banquet at the Oak Terrace on Friday night, May 8. Clark E. Center, Vice-President of Carbide and Carbon Chemicals Company, in charge of Union Carbide's atomic energy work, will preside at the banquet. The guest speaker will be Dr. John R. Dunning, Dean of Engineering at Columbia University.

Another feature provided for the young scientists will be an unclassified tour of Oak Ridge and the UT-AEC Agricultural Research Program. The group also will be taken on a tour of the Norris Dam and Powerhouse, the TVA Hydraulics Laboratory and the Electrotechnical Laboratory of the United States Bureau of Mines at Norris.

### Prizes For Local Entrants

The local fair exhibits will be on display at the high school cafeteria from noon until 9 p.m. The Oak Ridge fair is being co-sponsored by the Oak Ridger, local daily newspaper, and the science department of the high school faculty. The newspaper is offering prizes to the winning boy and girl in the senior division of a \$10 certificate toward purchase of books or periodicals. Ten other special merit awards of \$1 each will be made.

### URANIUM IN PHILIPPINES

Philippine President Elpidio has disclosed that uranium has been discovered in his country, according to press dispatches, and says that the United States has expressed interest in the matter.

## America May Be 'Out' Because Of Security

Continued from Page 1

10,000 during the past year. The bureau now has 57,742 such cases on file at this time, the chief declared.

### Wilson Tightens Security

Defense Secretary Charles E. Wilson has tightened up security regulations of his department in an effort to prevent what he called "unauthorized disclosure" of military secrets after charging that "leaks had seriously threatened the national security." In this move to bar information from hostile countries the defense department also has barred public demonstrations of new weapons in the interest of security.

The recent nuclear weapons tests in Nevada resulted in a series of "shocked" stories in newspapers over the alleged looseness of talk and general security conditions in atomic energy development circles in that state and New Mexico. The stories cited new methods by subversive agents that are said to throw the area over the old "cloak and dagger" actions of several years ago.

The stories revealed how security authorities know of all the old and all the new wrinkles—and the outside loose talk going on and that, of course, steps are being constantly taken to counteract such dangerous leakage of information. The security authorities again point out the real danger of small bits of vital information being bandied around—perhaps in themselves not so informative but capable of being put together by an enemy collecting agency to provide needed clues.

The new secret seekers of atomic energy information now resort to liberal hospitality in alcoholic refreshments and even narcotics—offering of hearty friendship to atomic workers and similar inducements in efforts to gain the data they want.

### Sense Of Responsibility High

Of course, no Y-12er would willingly let slip any classified information entrusted to him and all have been briefed on the necessity of observing all the plant security regulations and procedures for handling classified documents and materials. This observance always has been maintained on a high plane that has demonstrated the sense of responsibility of individuals throughout the plant.

This alertness and carefulness in protecting the secrets entrusted to the plant must be continued—against any blandishments or intrigue that might be brought to pressure, if the national security of the United States is to be upheld.

### ROSENBERGS SET BACK

Another set back for Julius and Ethel Rosenberg, atomic spies sentenced to death, has been created when the Justice Department asked the Supreme Court recently to deny the prisoners' petition for a review.

In Hollywood brides keep the bouquets and throw away the grooms.

## Attendance Record

MAJOR LEAGUE				
Dept.	More Than 50 Employees	Scheduled	Standing	
	Percentage	Absent	4-12-53	4-5-53
2008	0.4	1	11	
2077	1.13	2	4	
2619	1.13	2	6	
2690	1.5	4	3	
2018	1.57	5	2	
2618	1.62	6	1	
2002	1.75	7	5	
2739	1.77	8	6	
2790	2.1	9	8	
2014	2.7	10	9	
2003	3.0	11	14	
2060	3.35	12	12	
2142	3.43	13	16	
2091	4.1	14	18	
2108	4.4	15	15	
2001	4.5	16	19	
2015	4.7	17	10	
2617	5.0	18	13	
2773	5.7	19	17	

Group absentee percentage was three per cent, .3 per cent higher than the preceding week.

MINOR LEAGUE				
Dept.	15-49 Employees	Scheduled	Standing	
	Percentage	Absent	4-12-53	4-5-53
2743	0.0	1	1	
2200	0.0	1	1	
2145	0.5	3	11	
2301	0.57	4	6	
2107	0.60	5	5	
2005	0.8	6	4	
2144	1.2	7	13	
2143	1.4	8	7	
2046	1.7	9	12	
2140	3.3	10	10	
2096	3.4	11	14	
2133	4.1	12	9	
2093	5.1	13	1	
2090	6.7	14	8	

Group absentee percentage was two per cent, .7 per cent lower than the preceding week.

The plant average for the week ending April 12 was 2.9 per cent, .1 per cent higher than the preceding week.

## Camera Club Plans Hobby Fair Exhibit

The Carbide Camera Club will enter several photographic efforts of its members in the Oak Ridge Hobby Show set for Saturday, April 25. Janet Cisar, president of the club, has asked that any members wishing to submit pictures to enter in the show to leave them with her not later than tomorrow afternoon, Thursday, April 23.

At a meeting of the club on April 14 a color slide contest on the subject of people was held with Herman Dickerson, a Carbide employee in Y-12, taking first prize. A display of photographs in the traveling salon by the magazine Popular Photography also was a feature of the meeting.

A contest in black and white portraiture of humans or animals will be held at the next meeting of the club on Tuesday, May 14.

## 10 Years Service

Two more Y-12 employees will complete 10 years of Company service during the month of April. They are—

William S. Herron, Superintendents, who was employed on April 18, 1943.

John D. Price, Security, who was employed on April 28, 1943.

One out of every 35 families received assistance last year from Red Cross chapter Home Service.

## Rides Wanted, Offered

**Want To Participate In Car Pool**  
—From Virginia Road, Oak Ridge, straight day. Harold Black, plant telephone 7009, home telephone 5-6853.

**Ride Wanted**—From Delta St., Clinton, to Y-12 North Portal, straight day. B. H. Hale, plant telephone 7051.

**Want To Participate In Car Pool**  
—From North Purdue Ave., Oak Ridge, to North Portal, straight day. H. S. White, plant telephone 7936, home telephone 5-7788.

## Ridge Conservation League Will Show Picture Thursday

All Y-12ers interested in wild-life conservation and hunting and fishing are urged to attend a meeting of the Oak Ridge Conservation League set for 8 o'clock tomorrow night, Thursday, April 23, in the West Lounge of the Ridge Recreation Hall. Evan W. Means, of the Y-12 Electrical Maintenance Department, is president of the group and a number of other Y-12ers are officers and members.

A remarkable moving picture prepared by the State of Tennessee Conservation Department will be shown at the meeting. The film is called "The Web Of Life" and shows the balance of nature in plant and animal life.